

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033710.D
 Acq On : 12 Jan 2023 14:43
 Operator : JC/MD
 Sample : 01130-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230111061-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/13/2023
 Supervised By : Mahesh Dadoda 01/13/2023

Quant Time: Jan 13 00:02:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.891	128	13701	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	80267	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	104747	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	33356	30.067	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.233%			
60) 4-Bromofluorobenzene	11.079	95	56508	29.932	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.767%			
63) Toluene-d8	8.647	98	99937	29.812	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.367%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	587	0.423	ug/l #	78
8) Diethyl Ether	2.130	74	2632	3.776	ug/l	99
16) Carbon Disulfide	2.507	76	2218	0.728	ug/l #	91
22) cis-1,2-Dichloroethene	4.483	96	1721	1.029	ug/l #	48
23) tert-Butyl Alcohol	2.989	59	2166138	7589.250	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	9745	2.180	ug/l #	61
34) Benzene	6.025	78	23425	4.647	ug/l #	92
45) 1,4-Dioxane	7.708	88	3494m	109.953	ug/l	
62) Toluene	8.714	91	39608	6.007	ug/l	96
64) Chlorobenzene	10.079	112	4361	1.027	ug/l #	83
66) Ethyl Benzene	10.195	91	10053	1.367	ug/l	98
67) m/p-Xylenes	10.299	106	31009	10.685	ug/l	98
68) o-Xylene	10.640	106	20158	7.067	ug/l	100
70) Isopropylbenzene	10.963	105	2880	0.390	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	7605	1.240	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	18073	2.983	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	13022	3.659	ug/l	98
91) Naphthalene	13.774	128	25893	3.729	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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